Serial No. 09/826,161

1. (currently amended)   A client device comprising:

a SIM client;

a local ~~area~~-link receiver; and

a controller storing SIM information received from a mobile device via the local ~~area~~-link receiver, the controller using the stored SIM information to effect secure communications with the mobile device.

2.(currently amended)   The client device of claim 1, further including a wide area transceiver for communicating with a cellular system, the controller using the SIM information received from the mobile device to authenticate and register the client device on a wide area network.

3. (previously amended)   The client device of claim 1, wherein the SIM information is received from the mobile device following transmission of a synchronization command by the client device.

4.(previously amended)   The client device of claim 3, wherein the synchronization command is terminated in response to the user unit code not being received by the client device within a predetermined time period following the transmission of the synchronization command.

5.(previously amended)   The client device of claim 1, wherein execution of a control command is terminated in response to the stored user unit code not being the same as the user unit code received with the control command.

6. (previously amended)   A mobile telecommunications system enabling a client device to remotely access a packet data network through a server device, comprising:

a SIM client within the client device;

a first authentication application unit, positioned within the client device, transmitting a first synchronization command to the server device over the packet data network; and

a SIM client positioned within the server device including an authentication and ciphering unit, generating a user unit code and transmitting the generated user unit code to the client device over the packet data network in response to the first synchronization command, wherein the generated user unit code is stored by the client device and by the server device and the

2

Serial No. 09/826,161

authentication and ciphering unit transmits a message to the client device over the packet data network, the message including a control command and the user unit code stored in the server device, and wherein the first authentication application unit compares the user unit code received in the message with the user unit code stored in the client device and executes the control command in response to the user unit code stored in the client device being the same as the user unit code received in the message, and wherein the authentication and ciphering unit establishes an authenticated connection prior to the provision of information services to the client device.

7. (previously amended)   The mobile telecommunications system of claim 6, wherein the first synchronization command corresponds to a first user input to the client device, and wherein the authentication and ciphering unit generates the user unit code in response to a second synchronization command corresponding to a second user input to the server device, the first and second synchronization commands corresponding to a synchronization process between the first authentication application unit and the authentication and ciphering unit, wherein the synchronization process is terminated in response to both the first and second synchronization commands not being input within a predetermined time period.

8. (previously amended)   The mobile telecommunications system of claim 6, wherein, upon receipt of the generated user unit code, the first authentication application unit transmits an acknowledgement message to the authentication and ciphering unit, and wherein the authentication and ciphering unit terminates the synchronization process in response to the acknowledgement message not being received within the predetermined time period.

9. (previously amended)   The mobile telecommunications system of claim 8, wherein the authentication and ciphering unit stores the generated user unit code in response to the acknowledgement message.

10. (previously amended) The mobile telecommunications system of claim 6, wherein the first authentication application unit updates the user unit code stored in the client device using a predetermined algorithm and transmits an acknowledgement to the authentication and ciphering unit over

3

Serial No. 09/826,161

the packet data network in response to the user unit code stored in the client device being the same as the user unit code received in the message.

11. (previously amended) The mobile telecommunications system of claim 10, wherein the control command is terminated in response to the acknowledgement not being received by the authentication and ciphering unit within a predetermined time period.

12. (previously amended) The mobile telecommunications system of claim 10, wherein the authentication and ciphering unit updates the user unit code stored in the second application unit, using the predetermined algorithm, in response to the acknowledgement.

13.(original) The mobile telecommunications system of claim 6, wherein the control command is terminated in response to the user unit code stored in the client device not being the same as the user unit code received in the message.

14. (currently amended)   A method of authentication of a client device utilizing remote multiple access to a server device, comprising the steps of:

generating a unique identifier in at least on of the client device and the server device and transmitting a the unique identifier over the packet data network between a the client device and the server device;

storing the unique identifier at the client device and at the server device;

transmitting a control command including the identifier stored at the server device over the packet data network from the server device to the client device; and

determining at the client device whether the transmitted identifier is the same as the identifier stored at the client device and executing the control command in response to the transmitted identifier being the same as the identifier stored at the client device.

4

Serial No. 09/826,161

15. (original) The method of claim 14, further comprising the step of updating the identifier stored at the client device and at the server device using a predetermined algorithm.

16. (original) The method of claim 15, wherein the step of updating the identifier further comprises the steps of:

updating the identifier stored at the client device in response to the transmitted identifier being the same as the identifier stored at the client device;

transmitting an acknowledgement message over the packet data network from the client device to the server device; and

updating the identifier stored at the server device in response to the acknowledgement message.

17. (original) The method of claim 16, wherein the control command is terminated in response to the acknowledgement message not being received at the server device within a predetermined time period.

18.(original) The method of claim 14, wherein the control command is terminated in response to the transmitted identifier not being the same as the identifier stored at the client device.

19. (original) The method of claim 14, wherein the step of generating and transmitting a unique identifier further comprises the steps of:

entering a synchronization command at the server device and the client device within a predetermined time period;

transmitting the synchronization command over the packet data network from the client device to the server device;

generating the identifier in response to receipt of the synchronization command by the server device and transmitting the identifier from the server device to the client device over the packet data network; and

transmitting an acknowledgement message from the client device to the server device over the packet data network in response to receipt of the

5

Serial No. 09/826,161

identifier, wherein the identifier is stored at the server device in response to the acknowledgement message.

20. (original) The method of claim 19, the step of generating and transmitting a unique identifier further comprising the steps of:

determining whether the synchronization command is received by the server device from the client device within the predetermined time period, and terminating the step of generating and transmitting a unique identifier in response to the synchronization command not being received by the server device from the client device within the predetermined time period ;

determining whether the identifier is received at the client device within the predetermined time period, and terminating the step of generating and transmitting a unique identifier in response to the identifier not being received at the client device within the predetermined time period; and

determining whether the acknowledgement message is received at the server device within the predetermined time period, and terminating the step of generating and transmitting a unique identifier in response to the acknowledgement message not being received at the server device within the predetermined time period.

21. (previously presented) A first mobile device comprising:

a SIM client;

a local area transmitter;

a local area receiver; and

a controller storing SIM information received from a second mobile device via the local area receiver, the controller using the stored SIM information to effect secure communications with the second mobile device.

22.(previously amended)   The first mobile device of claim 21, further including a wide area transceiver for communicating with a cellular system, the controller using the SIM information received from the second mobile device to authenticate and register on a wide area network..

23. (previously amended) The first mobile device of claim 21, wherein the SIM information is received from the second mobile device following transmission of a synchronization command by the mobile device.

6

Serial No. 09/826,161

24.(previously amended) The first mobile device of claim 23, wherein the synchronization command is terminated in response to the user unit code not being received by the client device within a predetermined time period following the transmission of the synchronization command.

7